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ABSTRACT

In a device and a method for measuring path lengths, particularly of brushes in sliding contacts, an air stream having a regularly fluctuating pressure is provided by a pump and conducted via an air supply line and a nozzle to an object to be measured. The object is disposed so that its length or position affects the flow resistance of passing air. A consequent pressure drop in the supply line is determined with a pressure sensor, and an evaluation unit computes, in particular from the difference between maximum and minimum air pressure, a length of the object as a function of the pressure difference. In another embodiment of the invention, pressurized air is supplied from a pump to an object to be measured, and a sensor is disposed to detect a pressure change when the object has attained a predetermined length.

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